

## EAST Search History

## EAST Search History (Prior Art)

| Ref # | Hits   | Search Query  | DBs  | Default Operator | Plurals | Time Stamp          |
|-------|--------|---|--|------------------|---------|---------------------|
| L1    | 0      | ((prefetch\$3 pre-fetch\$3 pre-read\$3 pre-read\$3 preload\$3 pre-load\$3 lookahead look-ahead (predict\$5 NEAR2 (read\$3 load\$3 fetch\$3))) AND (observ\$5 record\$3 track\$3 monitor\$3) NEAR5 (request\$3 access\$3 writ\$3 read\$3 address\$3) WITH (cacheline "cache line" "cache block") AND (stream\$3 sequential\$2 consecutive\$2) NEAR5 (access accesses address addresses location locations pattern patterns characteristic characteristics) AND (bit ADJ (vector array table))). QLM. | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2010/06/29<br>17:48 |
| L3    | 355198 | (observ\$5 record\$3 (keep\$3 NEAR2 track) statistic\$2) NEAR5 (request access write read address offset)   | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2010/06/29<br>17:50 |
| L4    | 2      | "6,434,663".pn.   | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2010/06/29<br>17:50 |

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| L5  | 58     | ("4536837" "5218689"<br>"5257367" "5257370"<br>"5276840" "5333305"<br>"5345575" "5398253"<br>"5457791" "5548788"<br>"5581736" "5584018"<br>"5708632" "5729710"<br>"5765201" "5787296"<br>"5802593" "5845297"<br>"5854911" "5890205"<br>"5903917" "5920896"<br>"5966726" "6016553"<br>"6023713" "6105117"<br>"6175898" "6199178"<br>"6240527" "6317875").<br>pn. | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2010/06/29<br>17:50 |
| L6  | 212097 | (observ\$5 record\$3<br>(keep\$3 NEAR2 track)<br>statistic\$2 log trace)<br>NEAR5 (request access<br>address offset)  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2010/06/29<br>17:50 |
| L7  | 274370 | (cacheline wordline<br>"cache line" "word<br>line" "cache block"<br>"word block" (memory<br>NEAR2 (line block)))  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2010/06/29<br>17:50 |
| L8  | 329    | (711/221).CCL.S   | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2010/06/29<br>17:50 |
| L9  | 1435   | (711/137).CCL.S   | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2010/06/29<br>17:50 |
| L10 | 4      | L8 AND L9   | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2010/06/29<br>17:50 |
| L11 | 193951 | (observ\$5 record\$3<br>(keep\$3 NEAR2 track)<br>statistic\$2 log trace)<br>NEAR5 (request access<br>address)   | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2010/06/29<br>17:50 |
| L12 | 201792 | (cacheline wordline<br>"cache line" "word<br>line" "cache block"<br>"word block" (memory<br>NEAR2 line))  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2010/06/29<br>17:50 |

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| L13 | 1435 | (711/137).OCLS   | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2010/06/29<br>17:50 |
| L14 | 231  | L11 AND L12 AND L13  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2010/06/29<br>17:50 |
| L15 | 1    | "6449697".pn.  | USPAT  | OR | ON  | 2010/06/29<br>17:50 |
| L16 | 1    | "5854934".FN.  | USPAT; USOCR   | OR | ON  | 2010/06/29<br>17:50 |
| L17 | 1    | "5941981".FN.  | USPAT; USOCR   | OR | ON  | 2010/06/29<br>17:50 |
| L18 | 5    | ("5854934" "5941981"<br>"5964867" "6081868"<br>"6119203").pn.  | USPAT  | OR | ON  | 2010/06/29<br>17:50 |
| L19 | 7    | ("6157976" "6253288"<br>"6438673" "6449698"<br>"6480939" "6523093"<br>"6567901" ).pn.  | USPAT  | OR | ON  | 2010/06/29<br>17:50 |
| L20 | 87   | L14 AND (page<br>paging)   | USPAT  | OR | ON  | 2010/06/29<br>17:50 |
| L21 | 1    | "5623608".FN.  | USPAT; USOCR   | OR | ON  | 2010/06/29<br>17:50 |
| L22 | 1    | "6813693".pn.  | US-PGPUB;<br>USPAT   | OR | ON  | 2010/06/29<br>17:50 |
| L23 | 1    | "20020073405"  | US-PGPUB   | OR | ON  | 2010/06/29<br>17:50 |
| L24 | 7    | ("5623608" "5767118"<br>"6098064" "6098154"<br>"6170044" "6282542"<br>"6360361").pn.   | USPAT  | OR | ON  | 2010/06/29<br>17:50 |
| L25 | 199  | ("5666505" "5941980"<br>"6446167" "6453389"<br>"6460115" "6957304"<br>"6983356" "5192914"<br>"5717886" "5991848"<br>"5761137" "5905853"<br>"4332010" "5761710"<br>"6178120" "6347063"<br>"5062036" "6233645"<br>"5750913" "4801930"<br>"5333263" "5349666"<br>"5367543" "5610809"<br>"5615104" "5895879"<br>"5897653" "6470496"<br>"5285527" "5305389" | USPAT  | OR | ON  | 2010/06/29<br>17:50 |

"5701448" "5996071"  
"6480939" "6584549"  
"6675263" "6675280"  
"6701414" "6728840"  
"6751709" "6954840"  
"4471433" "5214610"  
"5287438" "5682522"  
"5829010" "6000013"  
"6032270" "6065097"  
"6118430" "6157384").  
pn. ("6515916"  
"4992958" "5394535"  
"5526474" "5732284"  
"4623978" "5337156"  
"5473748" "5579460"  
"5802257" "5838610"  
"5867637" "5917506"  
"6128096" "6181432"  
"5018061" "5719804"  
"5831889" "5828361"  
"5829032" "5862385"  
"5982397" "4628451"  
"5517317" "5757948"  
"5825994" "6331897"  
"4499539" "4500954"  
"4574346" "4779189"  
"4875155" "5287484"  
"5729713" "4466059"  
"5537569" "5787468"  
"5822762" "5829024"  
"6097660" "4429363"  
"4583165" "4905141"  
"5257367" "5297267"  
"5305208" "5446685"  
"5513344" "5526508"  
"5551010").pn.  
("5677890" "5801775"  
"5815701" "5822616"  
"5878424" "5974260"  
"5978910" "5982675"  
"5987587" "6023442"  
"6044427" "6106566"  
"6131145" "6381679"  
"6385697" "6457174"  
"6535960" "6574711"  
"6598126" "6598127"  
"6646951" "6823406"  
"4368513" "5297029"  
"5903674" "6137521"  
"4546450" "4905091"  
"4926200" "5471562"  
"5644549" "5708760"  
"5710638" "5777617"  
"5787497" "5798843"  
"5815160" "5870648"  
"5918088" "6078548"

|     |   |   |  |    |    |                     |
|-----|---|---|--|----|----|---------------------|
|     |   | "6246488" "5717895"<br>"4463424" "4899275"<br>"4953073" "5388242"<br>"6061759" "6061759"<br>"6105113" "5267210").<br>pn. ("5414842"<br>"5452447" "5469555"<br>"5668968" "6049851"<br>"4603380" "4621320"<br>"5255384" "5377345"<br>"5444853" "5463759"<br>"5493660" "5566318"<br>"5649230" "5675763"<br>"5684993" "5787494"<br>"5956753" "4811206"<br>"4989163" "5237671"<br>"5269013" "5317727"<br>"5325507" "5396614"<br>"5442571" "5475829"<br>"5526512" "5561778"<br>"5579499" "5586297"<br>"5588130" "5590379"<br>"5594881" "5596741"<br>"5630097" "5652873"<br>"5664159" "5664160"<br>"5687343" "5708790"<br>"5721858" "5768212"<br>"5822772" "5835963"<br>"5860117" "5884093"<br>"5907853" "5926839"<br>"5946703").pn. |  |    |    |                     |
| L26 | 2 | L25 AND L20   | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2010/06/29<br>17:50 |
| L27 | 4 | (US-20020073405-\$).<br>did. or (US-5694568-\$<br>or US-6449697-\$ or<br>US-5941981-\$ or US-<br>6081868-\$ or US-<br>6820173-\$ or US-<br>6813693-\$ or US-<br>6742085-\$ or US-<br>6678795-\$).did.   | US-PGPUB;<br>USPAT   | OR | ON | 2010/06/29<br>17:50 |
| L28 | 0 | L27 and "L2"  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2010/06/29<br>17:50 |

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| L29 | 0      | L27 and ("2" ADJ cache)   | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB          | OR | ON  | 2010/06/29<br>17:50 |
| L30 | 402    | L13 AND "L2"  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB          | OR | ON  | 2010/06/29<br>17:50 |
| L31 | 340    | L13 AND "L2 cache"  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB          | OR | ON  | 2010/06/29<br>17:50 |
| L32 | 181943 | (stream\$3 sequential<br>\$2 consecutive\$2)<br>NEAR5 (access<br>accesses address<br>addresses location<br>locations pattern<br>patterns characteristic<br>characteristics) | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2010/06/29<br>17:50 |
| L33 | 1760   | (711/137,221).CCLS  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2010/06/29<br>17:50 |
| L34 | 784    | L32 AND L33   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2010/06/29<br>17:50 |
| L35 | 1435   | (711/137).CCLS  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2010/06/29<br>17:50 |
| L36 | 329    | (711/221).CCLS  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2010/06/29<br>17:50 |

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| L37 | 698   | L32 AND L35  | US-PGRUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2010/06/29<br>17:50 |
| L38 | 89    | L32 AND L36  | US-PGRUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2010/06/29<br>17:50 |
| L39 | 323   | L34 AND (page)   | US-PGRUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2010/06/29<br>17:50 |
| L40 | 77099 | (stream\$3) NEAR5<br>(access accesses<br>accessing address<br>addresses addressing<br>location locations<br>pattern patterns<br>characteristic<br>characteristics) | US-PGRUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2010/06/29<br>17:50 |
| L41 | 291   | L40 AND L33  | US-PGRUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2010/06/29<br>17:50 |
| L42 | 123   | L41 AND (page)   | US-PGRUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2010/06/29<br>17:50 |
| L43 | 8     | L42 AND (bit ADJ<br>(vector array table))  | US-PGRUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2010/06/29<br>17:50 |
| L44 | 14    | L41 AND (bit ADJ<br>(vector array table))  | US-PGRUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2010/06/29<br>17:50 |

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| L45 | 87 | 711/137.CQLS. AND<br>((idle idling idles idled)<br>NEAR2 (time cycle<br>cycles)) | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2010/06/29<br>17:50 |
| L46 | 2  | ("6625696"<br>"6081868").pn.   | USPAT   | OR | ON | 2010/06/29<br>17:50 |

## EAST Search History (Interference)

| Ref # | Hits | Search Query   | DBs  | Default Operator | Plurals | Time Stamp       |
|-------|------|--|------|------------------|---------|------------------|
| L2    | 0    | ((prefetch\$3 pre-fetch\$3<br>preread\$3 pre-read\$3 preload<br>\$3 pre-load\$3 lookahead look-<br>ahead (predict\$5 NEAR2 (read<br>\$3 load\$3 fetch\$3))) AND<br>(observ\$5 record\$3 track\$3<br>monitor\$3) NEAR5 (request\$3<br>access\$3 writ\$3 read\$3<br>address\$3) WITH (cacheline<br>"cache line" "cache block")<br>AND (stream\$3 sequential\$2<br>consecutive\$2) NEAR5<br>(access accesses address<br>addresses location locations<br>pattern patterns characteristic<br>characteristics) AND (bit ADJ<br>(vector array table))).QJM. | UPAD | OR               | ON      | 2010/06/29 17:49 |

6/ 29/ 2010 5:52:14 PM

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